

## ABSTRACT OF THE DISCLOSURE

A method and apparatus for monitoring of a semiconductor light source utilizing a beamsplitter within a photonic package is described, wherein the photonic package comprises a housing, a semiconductor light source disposed within the housing. The semiconductor light source has a first light beam output having data encoded thereon. A beam splitter cube (BSC) also disposed inside the housing to create a first split output of the first light beam output. The BSC has a light beam splitting characteristic that negatively impacts the encoding of the data in the first light beam within a predetermined limited threshold. A photodetector is disposed inside the housing to receive the first split output. The photodetector is adapted to determine properties of the first split output notwithstanding that the first split output is created in the limited impact manner.